What we claim is:

- 1. A carpet comprising at least a pile layer and at least one backing layer, wherein said pile layer comprises fibers extending in a direction opposite said at least one backing layer, wherein at least backing layer comprises a plurality of thermoplastic fibers, wherein at least one of said thermoplastic fibers comprises at least 10 ppm of at least one nucleator compound.
- 2. The carpet of Claim 1 wherein said nucleator compound is selected from the group consisting of p-MDBS, 3,4-DMDBS, 2,4,5-TMDBS, DBS, sodium benzoate, NA-11, NA-21, and any mixtures thereof.
- 3. The carpet of Claim 2 wherein said nucleating agent is p-MDBS.
- 4. A carpet comprising at least a pile layer and at least one backing layer, wherein said pile layer comprises fibers extending in a direction opposite said at least one backing layer, wherein at least backing layer comprises a plurality of thermoplastic fibers, wherein at least one of said thermoplastic fibers comprises comprises at least 10 ppm of a nucleator compound and exhibits a tensile strength of at least 3 grams/denier.
- 5. The carpet of Claim 4 wherein said nucleator compound is selected from the group consisting of p-MDBS, 3,4-DMDBS, 2,4,5-TMDBS, DBS, sodium benzoate, NA-11, NA-21, and any mixtures thereof.

- 6. The carpet of Claim 5 wherein said nucleating agent is p-MDBS.
- 7. A carpet comprising at least a pile layer and at least one backing layer, wherein said pile layer comprises fibers extending in a direction opposite said at least one backing layer, wherein at least backing layer comprises a plurality of thermoplastic fibers, wherein at least one of said thermoplastic fibers comprises at least 10 ppm of a nucleator compound and exhibits a shrinkage rate after exposure to 150°C hot air of less than 2%, and a tensile strength of greater than 2.5 grams/denier.
- 8. The carpet of Claim 7 wherein said nucleator compound is selected from the group consisting of p-MDBS, 3,4-DMDBS, 2,4,5-TMDBS, DBS, sodium benzoate, NA-11, NA-21, and any mixtures thereof.
- 9. The carpet of Claim 8 wherein said nucleating agent is p-MDBS.
- 10. A carpet comprising at least a pile layer and at least one backing layer, wherein said pile layer comprises fibers extending in a direction opposite said at least one backing layer, wherein at least backing layer comprises a plurality of thermoplastic fibers, wherein at least one of said thermoplastic fibers comprises at least 10 ppm of a nucleator compound and exhibits an x-ray scattering pattern such that the center of the scattering peak is at 0.4 degrees or lower.

- 11. The carpet of Claim 10 wherein said nucleating agent is selected from the group consisting of p-MDBS, 3,4-DMDBS, 2,4,5-TMDBS, DBS, sodium benzoate, NA-11, NA-21, and any mixtures thereof.
- 12. The carpet of Claim 11 wherein said nucleating agent is p-MDBS.